

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: October 17, 1995
Date Received: October 13, 1995
Project: Metro Self Monitor, PO #M51012
Date Samples Extracted: October 16, 1995
Date Extracts Analyzed: October 16, 1995

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC**

Samples Processed Using Method 3005

Samples Analyzed Using Method 6010

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M51012	0.81	0.54	0.66	0.40
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR CHROMIUM, COPPER, NICKEL AND ZINC

Laboratory Code: 63023 (Duplicate)

Analyte:	Reporting Units	Sample Result	Duplicate Result	Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	0.81	0.69	0-20	16
Copper	mg/L (ppm)	0.54	0.45	0-20	18
Nickel	mg/L (ppm)	0.66	0.54	0-20	20
Zinc	mg/L (ppm)	0.40	0.34	0-20	16

Laboratory Code: 63023 (Matrix Spike)

Analyte:	Reporting Units	Spike Level	Sample Result	% Recovery MS	MSD	Acceptance Criteria	Relative Percent Difference
Chromium	mg/L (ppm)	5	0.81	91	88	80-120	3
Copper	mg/L (ppm)	5	0.54	92	91	80-120	1
Nickel	mg/L (ppm)	10	0.66	92	91	80-120	1
Zinc	mg/L (ppm)	5	0.40	95	94	80-120	1

Laboratory Code: Spike Blank

Analyte:	Reporting Units	Spike Level	% Recovery	Acceptance Criteria
Chromium	mg/L (ppm)	5	98	80-120
Copper	mg/L (ppm)	5	99	80-120
Nickel	mg/L (ppm)	10	99	80-120
Zinc	mg/L (ppm)	5	98	80-120

BB AI
10.13.95
3:10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3012 16th Avenue West
Seattle, WA 98119-2029
FAX: (206) 283-5044

October 17, 1995

Gerry Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on October 13, 1995 from your Metro Self Monitor, PO #M51012 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kurt N. Johnson
Chemist

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Enclosures
FAX: 382-7335

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October 17, 1995

**INVOICE # 95ACU1017-1
DUPLICATE COPY**

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M51012: Results of testing requested by
Gerry Thompson, Project Leader for material submitted on October 13, 1995.

1 water sample analyzed for
Chromium, Copper, Nickel and Zinc
@ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00